

13281 U.S. PTO
08/21/03

NONPROVISIONAL PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400
Facsimile: (703) 836-2787

Attorney Docket No.: 116916

Date: August 21, 2003

MAIL STOP PATENT APPLICATION

Customer Number: 25944

**NONPROVISIONAL APPLICATION TRANSMITTAL
RULE §1.53(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): SUBSTRATE FOR ELECTRONIC DEVICES, MANUFACTURING METHOD
THEREFOR, AND ELECTRONIC DEVICE

By (Inventors): Takamitsu HIGUCHI, Setsuya IWASHITA, Hiromu MIYAZAWA

- ☒ Formal drawings (Figs. 1-14; 11 sheets) are attached.
☒ Use Figure 1 for front page of Publication.
☐ A Declaration and Power of Attorney is filed herewith.
☐ This application claims benefit of Provisional Application No. _____ filed _____.
(A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)
☒ This patent application is assigned to SEIKO EPSON CORPORATION.
☐ The executed Assignment is filed herewith.
☒ An Information Disclosure Statement is filed herewith.
☒ Entitlement to small entity status is hereby asserted.
☒ A Preliminary Amendment is filed herewith.
☒ Priority of foreign applications No. 2002-259960 filed September 2, 2002 in Japan and No. 2003-194243 filed July 9, 2003 in Japan are claimed (35 U.S.C. §119).
☒ A certified copy of the above corresponding foreign application(s) is filed herewith.
☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
☒ The filing fee is calculated below:

**CLAIMS IN THE APPLICATION AFTER ENTRY OF
ANY PRELIMINARY AMENDMENT NOTED ABOVE**

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	23 - 20	= 3*
INDEP CLAIMS	2 - 3	= 0*
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

* If the difference is less than zero, enter "0".

SMALL ENTITY

RATE	FEE
	\$ 375
x 9 =	\$
x 42 =	\$
+ 140 =	\$
TOTAL	\$

OR

OR

OR

OR

OR

OR

**OTHER THAN A
SMALL ENTITY**

RATE	FEE
	\$ 750
x 18	\$ 54
x 84	\$
+ 280	\$
TOTAL	\$ 804

- ☒ Check No. 145466 in the amount of \$804.00 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

James A. Clift
Registration No. 27,075

Joel S. Armstrong
Registration No. 36,430

NONPROVISIONAL PATENT APPLICATION**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400
Facsimile: (703) 836-2787

Attorney Docket No.: 116916

Date: August 21, 2003

MAIL STOP PATENT APPLICATION

Customer Number: 25944

NONPROVISIONAL APPLICATION TRANSMITTAL
RULE §1.53(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): SUBSTRATE FOR ELECTRONIC DEVICES, MANUFACTURING METHOD
THEREFOR, AND ELECTRONIC DEVICE

By (Inventors): Takamitsu HIGUCHI, Setsuya IWASHITA, Hiromu MIYAZAWA

- ☒ Formal drawings (Figs. 1-14; 11 sheets) are attached.
☒ Use Figure 1 for front page of Publication.
☐ A Declaration and Power of Attorney is filed herewith.
☐ This application claims benefit of Provisional Application No. _____ filed _____.
(A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)
☒ This patent application is assigned to SEIKO EPSON CORPORATION.
☐ The executed Assignment is filed herewith.
☒ An Information Disclosure Statement is filed herewith.
☒ Entitlement to small entity status is hereby asserted.
☒ A Preliminary Amendment is filed herewith.
Priority of foreign applications No. 2002-259960 filed September 2, 2002 in Japan and No. 2003-194243 filed July 9, 2003 in Japan are claimed (35 U.S.C. §119).
☒ A certified copy of the above corresponding foreign application(s) is filed herewith.
☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
☒ The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF
ANY PRELIMINARY AMENDMENT NOTED ABOVE

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	23 - 20	= 3*
INDEP CLAIMS	2 - 3	= 0*
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

* If the difference is less than zero, enter "0".

SMALL ENTITY

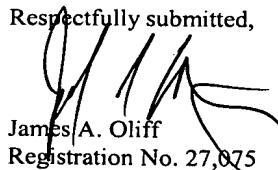
RATE	FEE
	\$ 375
x 9 =	\$
x 42 =	\$
+ 140 =	\$
TOTAL	\$

OTHER THAN A SMALL ENTITY

RATE	FEE
	\$ 750
x 18	\$ 54
x 84	\$
+ 280	\$
TOTAL	\$ 804

- ☒ Check No. 145466 in the amount of \$804.00 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,


James A. Oliff
Registration No. 27,875

Joel S. Armstrong
Registration No. 36,430

NONPROVISIONAL PATENT APPLICATION**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400
Facsimile: (703) 836-2787

Attorney Docket No.: 116916

Date: August 21, 2003

MAIL STOP PATENT APPLICATION

Customer Number: 25944

NONPROVISIONAL APPLICATION TRANSMITTAL
RULE §1.53(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): SUBSTRATE FOR ELECTRONIC DEVICES, MANUFACTURING METHOD
THEREFOR, AND ELECTRONIC DEVICE

By (Inventors): Takamitsu HIGUCHI, Setsuya IWASHITA, Hiromu MIYAZAWA

- ☒ Formal drawings (Figs. 1-14; 11 sheets) are attached.
☒ Use Figure 1 for front page of Publication.
☐ A Declaration and Power of Attorney is filed herewith.
☐ This application claims benefit of Provisional Application No. _____ filed _____.
(A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)
☒ This patent application is assigned to SEIKO EPSON CORPORATION.
☐ The executed Assignment is filed herewith.
☒ An Information Disclosure Statement is filed herewith.
☒ Entitlement to small entity status is hereby asserted.
☒ A Preliminary Amendment is filed herewith.
☒ Priority of foreign applications No. 2002-259960 filed September 2, 2002 in Japan and No. 2003-194243 filed July 9, 2003 in Japan are claimed (35 U.S.C. §119).
☒ A certified copy of the above corresponding foreign application(s) is filed herewith.
☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
☒ The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF
ANY PRELIMINARY AMENDMENT NOTED ABOVE

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	23 - 20	= 3*
INDEP CLAIMS	2 - 3	= 0*
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

* If the difference is less than zero, enter "0".

SMALL ENTITY

RATE	FEE
	\$ 375
x 9 =	\$
x 42 =	\$
+ 140 =	\$
TOTAL	\$

OR

OR

OR

OR

OR

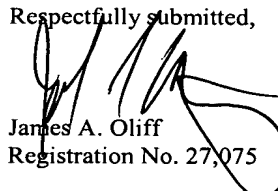
OR

OTHER THAN A SMALL ENTITY

RATE	FEE
	\$ 750
x 18	\$ 54
x 84	\$
+ 280	\$
TOTAL	\$ 804

- ☒ Check No. 145466 in the amount of \$804.00 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,


James A. Oliff
Registration No. 27,075

Joel S. Armstrong
Registration No. 36,430